ANALYSIS 3 VIEW		PAGE 41
ENGINEER W. F. Schmidt		MODEL 12
DATE 10-30-40		REPORT NO

~ PERFORMANCE ~
(ESTIMATE)

ALTITUDE IN FEET	SPEED in M.P.H. MINIMUM	SPEED in M.P.H. MAX.	CLIMB $P/\frac{W}{HP}$ in FT/MIN.	CLIMB ANGLE°	TIME TO ALTITUDE in MINS
Sea Level	80	315	1900		0.
5000	86	331	1850		2.75
10000	93	347	1770		5.50
14500 (Design)	100	357	1620		8.10
20000	127	356	1050		12.20
25000	140	342	620		18.20
30000	152	312	210		30.50
31500 (Service Ceiling)	156	293	100		40.00

Max. Range @ 14,500' Altitude = 1818 miles @ 178 m.p.h.

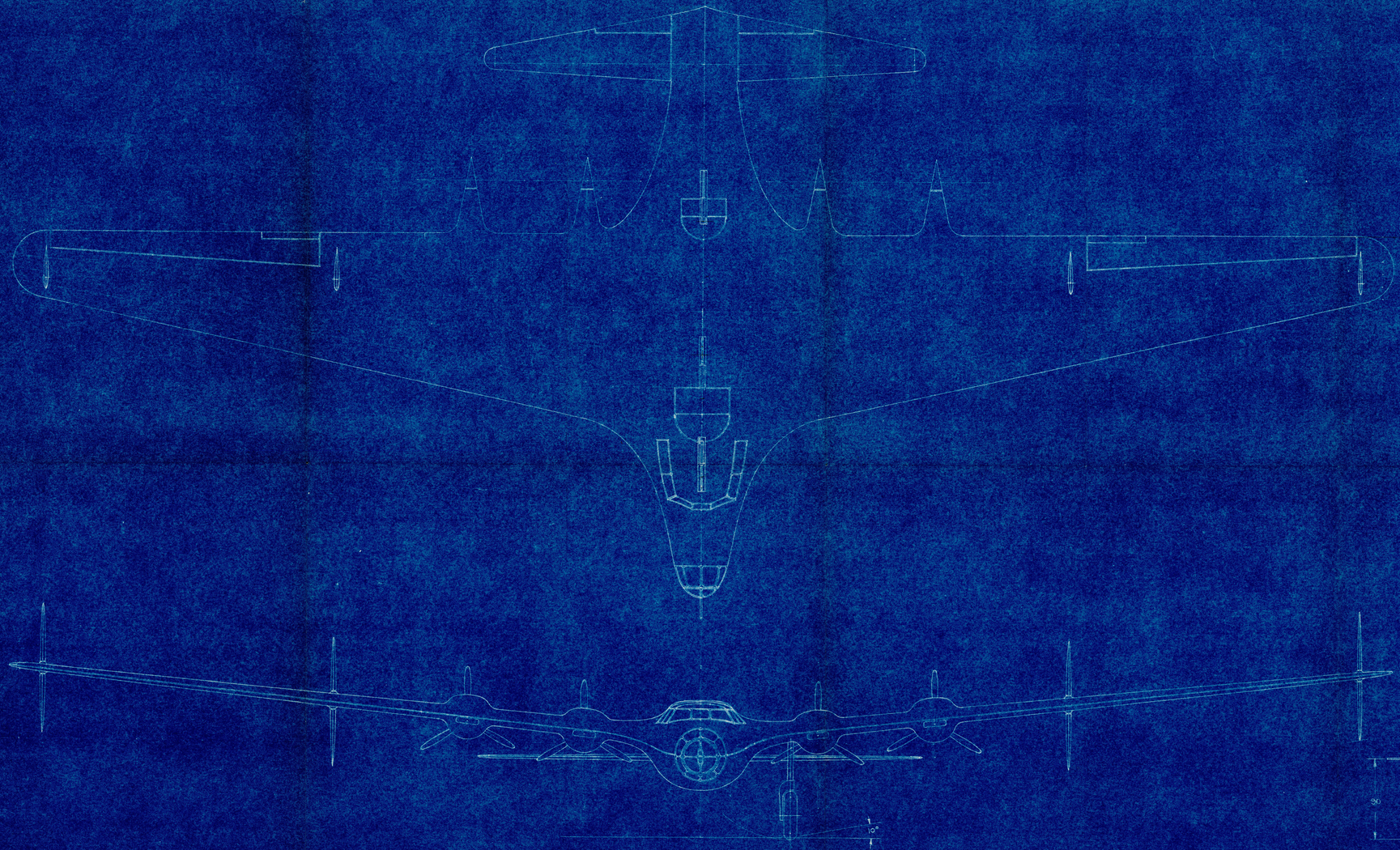
~ GENERAL DIMENSIONS ~

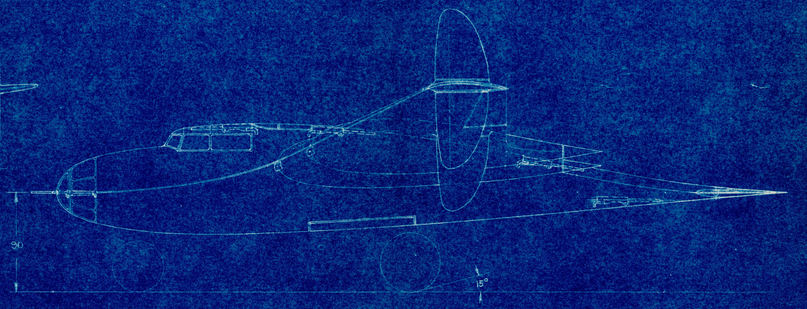
Length		55'
Span		128'
Chord (Root 19.5' T/p 5.83')	M.A.C.	16.9'
Height (Wheels Down)		21.5'
Area (Wing 1475 sq ft Ailerons 125 sq ft)	Total	1600 sq ft
Elevator		160 sq ft
Fin (37.5 sq ft × 2)		75 sq ft
Rudder (37.5 sq ft × 2)		75 sq ft

~ WEIGHT ~

Empty	Structure	11640.	
	Power Plant	3452.	
	Fixed Equipment	1700.	
		22992	22992 #
Useful Load			
	Equip. (Special)	512.	
	Bombs (8-1100 #)	8800.	
	Ammunition (4000 @ .50)	1000.	
	Personnel (6 × 200 #)	1200.	
	Fuel (800 Gals @ 6 #)	4800.	
	Oil (88 Gals @ 7.5 #)	660.	
		16972.	16,972 #

Gross Weight 39,964 #





Scale ~ 1"=50'

Note: Guns in various possible locations
Props: Emblem 15' Dia., Rej. Emblem 11' Dia.